

ABSTRACT

STABILIZED SOLID-STATE GYROLASER WITHOUT BLIND REGION

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The invention concerns solid-state gyrolasers used to measure rotation speeds or relative angular positions. This type of equipment is used, in particular, in aeronautical applications.

10 The purpose of the invention is to complete the optic devices required to control the instability of lasers, using specific optic devices that eliminate the blind region.

In this way, a "fully optic" solid-state laser is obtained, without moving parts, stable, and without blind regions.

15 These devices comprise in particular reciprocal and nonreciprocal optical rotators, arranged so that two counter-propagating optical modes travel in the cavity at sufficiently different frequencies to avoid mode locking.

FIGURE 1

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